

Ministry of New and Renewable Energy

Implementation Guidelines for New Solar Power Scheme (for PVTG Habitations/Villages) under PM JANMAN

1. Background

- 1.1 The Union Cabinet on 28.11.2023, approved the proposal of Ministry of Tribal Affairs (MoTA) on Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN) with total outlay of Rs. 24,104 crore (Central Share: Rs. 15,336 crore and State Share: Rs. 8,768 crore) to focus on eleven critical interventions through Nine line Ministries for implementation. The Mission, inter-alia, covers implementation of New Solar Power Scheme (for PVTG Habitations/Villages) for electrification of one lakh un-electrified households (HHs) in PVTG areas located in 18 States namely Andhra Pradesh, Bihar, Chhattisgarh, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Odisha, Rajasthan, Tamil Nadu, Telangana, Tripura, Uttar Pradesh, Uttarakhand and West Bengal, and UT of Andaman & Nicobar Islands, by provision of off-grid solar systems where electricity supply through grid is not techno-economically feasible. In addition, the New Solar Power Scheme has a provision for providing solar lighting in 1500 Multi-Purpose Centres (MPCs) in PVTG areas where electricity through grid is not available. The financial outlay approved for this purpose is given below:

S. No.	Components	Approved Financial Outlay (in Rs. Crore)
1	Provision of 0.3 kW solar off-grid system for 1 lakh PVTG HHs @ Rs. 50,000 per HH or as per actual cost (Illustration given at Annexure-1)	500
2	Solar street lighting and provision of lighting in 1500 MPCs of PVTG areas where electricity through grid is not available, @ Rs. 1 lakh per MPC	15

- 1.2 Off-grid electrification is recommended only in locations where grid-connected electrification is not techno-economically feasible, as per norms specified by the Ministry of Power. The State agencies will conduct ground survey and recommend electrification modes through grid or off-grid. The off-grid solution could be through provision of Solar Home Lighting Systems (SHLS) or Solar Mini-Grids, based on the results of field surveys.

2. Scope and Components

2.1 Electrification of 1 lakh PVTG Households through Off-grid solar power:

(i) Solar Home Lighting System (SHLS):

2.1.1 For scattered un-electrified HHs in PVTG areas, a SHLS along with necessary appliances such as LED bulbs and Fan will be installed free of cost. For this system configuration, the MNRE will provide the central share in the form of Central Financial Assistance (CFA) covering the entire cost of system with appliances, transportation, installation, onsite comprehensive maintenance services for 5 years and applicable taxes, to the implementing agencies. The SHLS will be equipped with Remote Monitoring System (RMS) to ensure proper functioning and maintenance. Specifications of the SHLS are provided at Annexure-II.

2.1.2 The Implementing Agency, under intimation to MNRE, has the flexibility to select system and appliances with higher specifications, however, the CFA support in such cases will be limited to Rs. 50,000 per household all-inclusive cost of the system and applicable taxes to the implementing agency as specified above. The implementing agency may source the balance funding requirement, if any, from their own resources, the State Government, PSU-CSR funds, etc.

2.1.3 Beneficiaries are required to furnish their Aadhaar number and other details as specified by the implementing agency. Beneficiaries are also required to submit a declaration confirming that the HH was not electrified under any scheme of Central/State Government or any Government agency. The implementing agency is also obligated to verify and ensure that the beneficiaries have not been covered under any earlier electrification program of the Central/State Government.

(ii) Solar Mini-Grids

2.1.4 For a cluster of HHs in a PVTG habitation/hamlet, Solar Mini-Grid of appropriate capacity, including battery bank, distribution lines, metering and other control equipment may be installed instead of providing SHLS to an individual HH. The MNRE will provide CFA support limited to Rs. 50,000 per un-electrified HH covered under the Mini-Grid. The Mini-Grid may be installed through RE:SCO mode with CFA as above. The Mini-Grid developer will be responsible for operating and maintaining the Mini-Grid for a minimum period of 5 years.

2.1.5 All HHs electrified through Mini-Grids will be provided with necessary appliances including LED bulbs and fans and BoP as being provided in case of SHLS. The HHs under Mini-Grid will be eligible to draw electricity from the Mini-Grid. Street lights may also be covered under Mini-Grids. The Mini-Grids should be designed with Remote Monitoring System (RMS) and allow for a connection to the main grid